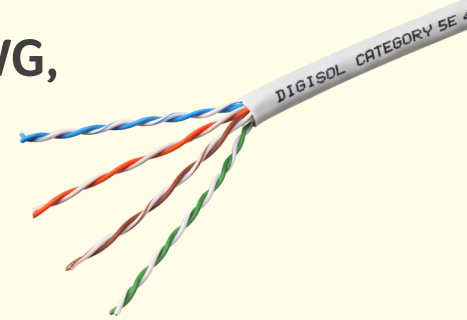




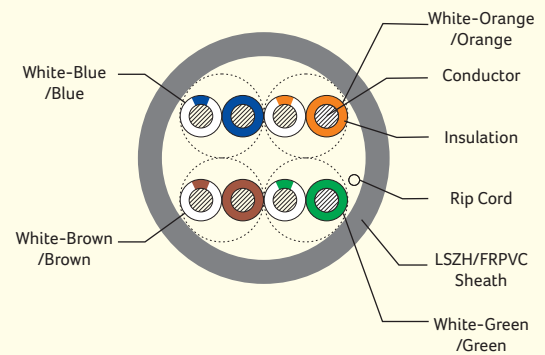
STRUCTURED CABLING SYSTEMS

DIGISOL Solid Cable, Cat5e UTP, 4 Pair, 24 AWG, Grey, 305m



Introduction:-

DIGISOL Cat5e 4 Pair UTP Cable has been designed for Horizontal Cabling Networks for Transmission of High Speed Data, Digital and Analog, Voice and Video Signals on Lans. Supports Gigabit Ethernet (1000 Base-T) Standard Suitable for Noisy Environments, High EMI Inteferece Surroundings and Complies to the Requirement of ANSI/TIA-568-C.2 and ISO/IEC 11801. Bandwidth Performance Up to 100mhz. UL Listed and ETL Verified.



Technical Specifications:-

Mechanical Properties:-

- Conductor : Solid Bare Copper
- Conductor Diameter : (24 AWG)
- Insulation : Polyethylene (HDPE)
- Pairs : 4 Pair Twisted together
- Sheath : FRPVC/LSZH Sheath
- Cable Diameter : 4.80 mm
- Jacket Color : Light Grey
- Bending Radius : < 25.4MM AT MINUS 20 DEGREE C +/- 1°C
- Pulling Force : 19.84 LBS
- Operating Temperature : (-20°C to +70°C)
- Range
- Installation Temperature : (-20°C to +70°C)
- Range

Color Code:-

- Pair Number : Color
- 1 - 2 : White-Orange Stripe and Orange
- 3 - 6 : White-Green Stripe and Green
- 4 - 5 : White-Blue Stripe and Blue
- 7 - 8 : White-Brown Stripe and Brown

Electrical Properties:-

- Conductor Resistance (For 1000m) : 93.5 OHMS
- Mutual Capacitance (For 100m) : Max 5.6 NF
- Resistance Unbalance (%) : Max 5
- Capacitance Unbalance (For 100m) : 330PF

- Delay Skew (For 100m) : 536 Ns
- Normal Velocity of Propagation (%) : 69
- IMPEDANCE : 100±15%OHMS
- Worst Case cable skew (For 100m) : 45NS
- Operating Temperature Range : Minus 20 To Plus 60 Degrees
- Installation Temperature Range : Minus 20 To Plus 60 Degrees
- Flame Rating : CM Rated
- Packing : 305 Mtrs. in Box
- Standards : UL LISTED
ETL Verified to ANSI/TIA-568-C.2
ISO/IEC 11801



DIGISOL™

CAT5E

STRUCTURED CABLING SYSTEMS

DIGISOL Solid Cable, Cat5e UTP, 4 Pair, 24 AWG, Grey, 305m

Electrical Performance Parameters:-

Frequency MHZ	Insertion Loss (dB/100m)	Next Pair to Pair (dB/100m)	Next Power Sum (dB/100m)	ACRF (dB/100m)	Power Sum (dB/100m)	Return Loss (dB/100m)
1	2.2	60	57.0	57.4	54.4	17.0
4	4.5	53.5	50.5	45.4	42.4	17.0
8	6.3	48.6	45.6	39.3	36.3	17.0
10	7.1	47.0	44.0	37.4	34.4	17.0
16	9.1	43.6	40.6	33.3	30.3	17.0
20	10.2	42.0	39.0	31.4	28.4	17.0
25	11.4	40.3	37.3	29.4	26.4	16.0
31.25	12.9	38.7	35.7	27.5	24.5	15.1
62.5	18.6	33.6	30.6	21.5	18.5	12.1
100	24.0	30.1	27.1	17.4	14.4	10.0



Ordering Information:-

DGC-SC5U4F-3GR
DGC-SC5U4L-3GR

DIGISOL Solid Cable, Cat5e UTP, 4 Pair, 24 AWG, FRPVC, Grey, 305m
DIGISOL Solid Cable, Cat5e UTP, 4 Pair, 24 AWG, LSZH, Grey, 305m

DIGISOL SYSTEMS LIMITED
Smartlink House,
Plot No. 5, Bandra-Kurla
Complex, Santacruz (East),
Mumbai - 400 098.

1800-209-3444
www.digisol.com
helpdesk@digisol.com